

GENERAL

INTERSECTION OPERATION

CONTROLLER REQUIREMENTS

PHONE DROP

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
PHASE 2 & 5	R	R			G	R	R	R	R	DW	DW	DW	DW	DW	DW	
PHASE 5 CHANGE	R	R			G	R	R	R	R	DW	DW	DW	DW	DW	DW	
PHASE 2 & 6	G	G			G	R	R	R	R	WK	WK	DW	DW	DW	DW	
PED. CLEARANCE / COUNTDOWN	G	G	G	G	G	R	R	R	R	FL/DW	FL/DW	DW	DW	DW	DW	
PHASE 2 & 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW	
PHASE 4 & 8	R	R	R	R	R	G	G	G	G	DW	DW	DW	DW	DW	DW	
PHASE 4 & 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	
PHASE 4 & 8 ALT.	R	R	R	R	R	G	G	G	G	DW	DW	WK	WK	WK	WK	
PED. CLEARANCE / COUNTDOWN	R	R	R	R	R	G	G	G	G	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW	
PHASE 4 & 8 ALT. CHANGE	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	

Technical drawing of a street intersection showing traffic signals, crosswalks, and dimensions. The intersection is between Georgia Avenue and Shorefield Road.

MD 97 (GEORGIA AVENUE)

SHOREFIELD ROAD

Dimensions (feet and inches):

- Top horizontal dimensions: 9', 9', 7.5', 6.5', 5', 13'
- Left vertical dimensions: 8.5', 4', 5', 6', 10', 9', 8', 3', 11'
- Right vertical dimensions: 5.5', 6', 7', 22', 15.5', 3', 6', 17.5', 17', 12.5', 11'
- Bottom horizontal dimensions: 3', 5', 5.5', 8.5', 9', 7.5', 9'
- Internal vertical dimensions: 11', 15', 8'

Labels for accessible pushbutton arrows:

- ACCESSIBLE PUSHBUTTON ARROW POINTING LEFT TO CROSS GEORGIA AVE
- ACCESSIBLE PUSHBUTTON ARROW POINTING RIGHT TO CROSS GEORGIA AVE
- ACCESSIBLE PUSHBUTTON ARROW POINTING LEFT TO CROSS SHOREFIELD RD
- ACCESSIBLE PUSHBUTTON ARROW POINTING RIGHT TO CROSS SHOREFIELD RD
- ACCESSIBLE PUSHBUTTON ARROW POINTING RIGHT TO CROSS GEORGIA AVE

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EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO	QUANTITY	DESCRIPTION
9044	1 EA	[UPDATED] CONTROLLER CABINET SIZE 6
9086	1 EA	[UPDATED] VIDEO DETECTION INTERFACE EQUIPMENT; 1-4 CAMERAS
9571	104 SF	[UPDATED] SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN 4 EA - R10-3(1), (9 IN. X 15 IN.) POLE MOUNT, *PUSH BUTTON TO CROSS GEORGIA AVENUE* 2 EA - R10-3(1), (9 IN. X 15 IN.) POLE MOUNT, *PUSH BUTTON TO CROSS SHOREFIELD ROAD* 2 EA - D-3(2) (96 IN. X 16 IN.) DUAL FACED *SHOREFIELD RD* 2 EA - D-3(2) (96 IN. X 16 IN.) DUAL FACED *GEORGIA AVE* 1 EA - ASSOCIATED SHIELD ASSEMBLY (24 IN. X 51 IN.) *NORTH, MD 97, RIGHT ARROW* 1 EA - ASSOCIATED SHIELD ASSEMBLY (24 IN. X 51 IN.) *SOUTH, MD 97, RIGHT ARROW* 1 EA - ASSOCIATED SHIELD ASSEMBLY (36 IN. X 75 IN.) *NORTH, MD 97, LEFT ARROW* 1 EA - ASSOCIATED SHIELD ASSEMBLY (36 IN. X 75 IN.) *SOUTH, MD 97, LEFT ARROW*

EQUIPMENT LIST 'B'

<u>ITEM NO</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
1001	3 EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
2002	8 CY	TEST PIT EXCAVATION
5004	180 LF	12 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
6002	1000 SF	4 INCH CONCRETE SIDEWALK
8000	175 LF	ELECTRICAL CABLE 1 CONDUCTOR, 250 KCML,CU,USE
8000	1 EA	FURNISH & INSTALL POLE MOUNTED "6" SIZE CABINET FOR INTERCONNECT CABLE SPLICING
8001	28 EA	12 INCH LED SIGNAL HEAD SECTION
8002	1 EA	2-WIRE CENTRAL CONTROL UNIT
8004	3 EA	8 INCH LED SIGNAL HEAD SECTION
8008	6 EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
8009	5 EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8014	6 EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEADS
8022	1 EA	REMOVE & DISPOSE OF MATERIAL & EQUIPMENT PER ASSIGNMENT
8023	1 EA	TWIN MAST ARM POLE & 50/60 FT.MAST ARMS ANY "T" DIMENSION
8025	1 EA	TWIN MAST ARM POLE & 50/50 FT.MAST ARMS ANY "T" DIMENSION
8026	3 EA	VIDEO DETECTION CAMERA AND CABLE UP TO 500 FT.
8029	105 LF	12 - PAIR COMMUNICATION CABLE, SELF SUPPORTING OR JELLYFIELD
8032	210 LF	DISCONNECT, PULL-BACK & REROUTE CABLES
8034	400 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - SLOTTED
8035	220 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - TRENCHED
8038	70 SF	DETECTABLE WARNING SURFACES
8039	104 SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN
8041	450 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8042	1 EA	WEATHER HEAD, 3 INCH
8043	1 EA	METERED SERVICE PEDESTAL EMBEDDED
8045	45 LF	ELECTRICAL CABLE 1-CONDUCTOR NO. 4 AWG-THHN/THWN
8047	4 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8052	1 EA	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
8054	675 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO.14 AWG)
8056	825 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO.14 AWG)
8057	900 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO.14 AWG)
8065	1 EA	INSTALL CONTROLLER AND CABINET - BASE MOUNT

ITEM NO	QUANTITY	DESCRIPTION
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NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE
PROPERTY OF THE CONTRACTOR

SCALE	NONE	DATE	3/20/07	CONTRACT NO.	AT9155185
DESIGNED BY	MCQ	COUNTY	MONTGOMERY		
DRAWN BY	MCQ	LOGMILE	15009704.28		
CHECKED BY	BAB	T. I. M. S. - NO.	H488		
F. A. P. - NO.		TOD NO.			
DRAWING NO.	TS-2017D-GI OF			SHEET NO. 2 OF 2	

FILE: I:\PROJECTS\0312513\0312513-0047\DRAWINGS\TRA\SHOREFIELD ROAD REBUILD\PSG-P001-SHOREFIELD.DGN

BY: THOMP SMA



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